State of New Mexico
Energy, Minerals and Natural Resources Department
Oil Conservation Division

Sundry Notices and Reports on Wells

1. **Type of Well**
GAS

API # (assigned by OCD)
30-039-07097

5. **Lease Number**
Fee

6. **State Oil&Gas Lease #**

2. **Name of Operator**
BURLINGTON RESOURCES **OIL & GAS COMPANY**

7. **Lease Name/Unit Name**
San Juan 28-6 Unit

8. **Well No.**
67

3. **Address & Phone No. of Operator**
PO Box 4289, Farmington, NM 87499 (505) 326-9700

9. **Pool Name or Wildcat**
Blanco Mesaverde

4. **Location of Well, Footage, Sec., T, R, M**
790'FNL 865'FEL, **Sec.14, T-27-N, R-6-W,** NMPM, Rio Arriba County

10. **Elevation:**

Type of Submission	**Type of Action**	
_X_ Notice of Intent	___ Abandonment	___ Change of Plans
	___ Recompletion	___ New Construction
___ Subsequent Report	___ Plugging Back	___ Non-Routine Fracturing
	___ Casing Repair	___ Water Shut off
___ Final Abandonment	___ Altering Casing	___ Conversion to Injection
	_X_ Other -	

13. Describe Proposed or Completed Operations

It is intended to repair the tubing on the subject well according to the attached procedure.

RECEIVED
DEC 23 1998
OIL CON. DIV.
DIST. 3

SIGNATURE [signature] (LTL3) Regulatory Administrator December 22, 1998

TLW

(This space for State Use)

DEPUTY OIL & GAS INSPECTOR, DIST. #3 DEC 23 1998

ORIGINAL SIGNED BY CHARLIE T. PERRIN

Approved by _____ **Title** _____ **Date** _____

San Juan 28-6 Unit #67

Blanco Mesaverde
Unit A, Sec. 14, T-27-N, R-6-W
Latitude / Longitude: 36°34.75524' / 107°25.79958'
Recommended Tubing Repair Procedure 10/20/98

Project Notes: This well has not been pulled since 1956. The lease operator reports equalized tubing and casing pressures and suspects a hole in the tubing. Although the remaining reserves are small according to 98 PDP, there is a 599 MMCF difference between the pressure versus cumulative production EUR and the 98 PDP EUR. The possibility of increased reserves and the suspected hole in the tubing makes this a valued workover.

NOTE: ALL DEPTHS ARE MEASURED FROM KB. KB to GL was 11'.

1. Comply with all NMOCD, BLM and Burlington safety and environmental regulations. Prior to moving in rig, make one-call and then verify rig anchors and dig pit.

2. MIRU workover rig. NU relief line and blow well down (kill with 2% KCL water only if necessary). ND WH and NU BOP. Test and record operation of BOP rams. Replace any WH valves that do not operate properly. Test secondary seal and install or replace if necessary.

3. **Mesaverde, 2-3/8", 4.7# tubing set at 5384' (173 jts). NOTE: There is no record of a seating nipple.** Release donut, pick up additional joints of tubing and tag bottom, recording the depth. PBTD should be at +/- **5400'**. TOOH and stand back 2-3/8" tubing. LD perf'd joint. Visually inspect tubing for corrosion, and replace any bad joints. Check tubing for scale and notify Operations Engineer if it is present.

4. TIH with 4-3/4" bit, bit sub, and watermelon mill on 2-3/8" tubing and round trip to PBTD, cleaning out with air/mist. **NOTE: When using air/mist, mist rate must not be less than 12 bph.** Speak with Operations Engineer, and if necessary, determine the best way to remove scale from the casing and perforations.

5. TIH with one joint of 2-3/8" tubing with expendable check, F-nipple (one joint off bottom), then ½ of the 2-3/8" production tubing. Run a broach on sandline to insure that the tubing is clear. TIH with remaining 2-3/8" tubing. Replace any bad joints. CO to PBTD with air/mist.

6. PU above the top Mesaverde perforation at **4674'** and flow the well naturally, making short trips for clean-up when necessary.

7. Land tubing at **5315'**. Obtain pitot gauge from casing and report this gauge. Broach the upper ½ of the production tubing. ND BOP and NU WH. Pump off expendable check. Connect to casing and circulate air to assure that expendable check has pumped off. If well will not flow on its own, make swab run to SN. RD and MOL. Return well to production.

Recommended: L. Tom Loveland 10/20/98 Approved: Bruce W. Boyd 10-27-98
Operations Engineer Drilling Superintendent

Operations Engineer: L. Tom Loveland
Office 326-9771
Pager 324-2568
Home 564-4418

\\StreetTalk\Shared@OPRprd@FAR\Tlovelan\Area 8 Wells\Tubing Repair\28-6\67\Procedure.doc

Kennedy & Jent

EL PASO FIELD SERVICES
PRODUCTION PIT CLOSURE

DEPUTY OIL & GAS INSPECTOR

DEC 2 1998

Approved

OK

SAN JUAN 28-6 #67
Meter/Line ID - 71888

RECEIVED
JUL 2 1998
OIL CON. DIV.
DIST. 3

SITE DETAILS

Legals - Twn: 27 **Rng:** 06 **Sec:** 14 **Unit:** A
NMOCD Hazard Ranking: 40 **Land Type:** 4 - Fee
Operator: MERIDIAN OIL INC **Pit Closure Date:** 03/30/95

RATIONALE FOR RISK-BASED CLOSURE:

The above mentioned production pit was assessed and ranked according to the criteria in the New Mexico Conservation Division's Unlined Surface Impoundment Closure Guidelines.

The primary source, discharge to the pit, has been removed. There has been no discharge to the production pit for at least five years and the pit has been closed for at least three years.

The production pit has been remediated to the practical extent of the trackhoe or to the top of bedrock. Initial laboratory analysis has indicated that the soil remaining at the bottom of the excavation is above standards based on the hazard ranking score. Contaminated soil was removed and transported to an approved landfarm for disposal. The initial excavation was backfilled with clean soil and graded in a manner to divert precipitation away from the excavated area. Any rainfall that does infiltrate the ground surface must migrate through clean backfill before reaching any residual hydrocarbons remaining in the soil. Therefore, further mobility of residual hydrocarbons is unlikely.

Since the soil samples from the initial excavation were above standards, a test boring was drilled and a sample was collected to evaluate the vertical extent of impact to soils. Test boring sample results indicated soils below standards beneath the original excavation.

El Paso Field Services Company (EPFS) requests closure of the above mentioned production pit location for the following reasons:

- Discharge to the pit has not occurred in over five years and the pit has been closed for over three years.
- The bulk of the impacted soil was removed during the initial excavation.
- The excavation was backfilled with clean soil and graded to divert precipitation away from the excavation area.
- All source material has been removed from the ground surface, eliminating potential direct contact with livestock and the general public.
- Groundwater was not encountered in the initial excavation or test boring; therefore, impact to groundwater is unlikely.
- Soil samples collected beneath the initial excavation were below standards.
- No potential receptors are within 1,000 feet of the site.
- Residual hydrocarbons remaining in the soil at the bottom of the initial excavation will naturally degrade in time with minimal risk to the environment.

FIELD PIT SITE ASSESSMENT FORM

GENERAL

Meter: 71888 Location: San Juan 28-6 # 67
Operator #: _____ Operator Name: Meridian P/L District: Bloom Field
Coordinates: Letter: A Section 14 Township: 27 Range: 06
Or Latitude _____ Longitude _____
Pit Type: Dehydrator X Location Drip: ___ Line Drip: ___ Other: _____
Site Assessment Date: 3/10/95 Area: 10 Run: 52

SITE ASSESSMENT

NMOCD Zone: (From NMOCD Maps) Inside ☒ (1) Outside ☐ (2)

Land Type: BLM ☐ (1) State ☐ (2) Fee ☒ (3) Indian _____

Depth to Groundwater
Less Than 50 Feet (20 points) ☒ (1)
50 Ft to 99 Ft (10 points) ☐ (2)
Greater Than 100 Ft (0 points) ☐ (3)

Wellhead Protection Area :
Is it less than 1000 ft from wells, springs, or other sources of fresh water extraction? , or ; Is it less than 200 ft from a private domestic water source? ☐ (1) YES (20 points) ☒ (2) NO (0 points)

Horizontal Distance to Surface Water Body
Less Than 200 Ft (20 points) ☒ (1)
200 Ft to 1000 Ft (10 points) ☐ (2)
Greater Than 1000 Ft (0 points) ☐ (3)
Name of Surface Water Body Cerza Canyon Wash
(Surface Water Body : Perennial Rivers, Major Wash, Streams, Creeks, Irrigation Canals, Ditches, Lakes, Ponds)
Distance to Nearest Ephemeral Stream ☐ (1) < 100' (Navajo Pits Only)
☐ (2) > 100'

TOTAL HAZARD RANKING SCORE: 40 **POINTS**

REMARK

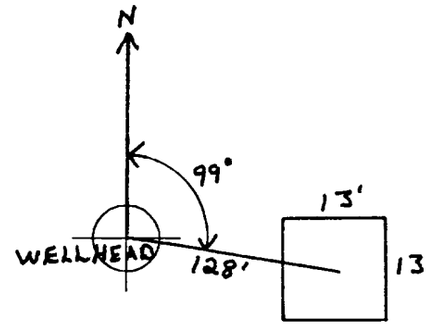
Remarks : Redline shows Inside Topo shows Inside VZ
2 pits on loc 1 has Dehy in service, Old Dehy pit belongs to EPNG Will close old Dehy Pit
Dig + Haul

ORIGINAL PIT LOCATION

ORIGINAL PIT LOCATION

Original Pit : a) Degrees from North 99° Footage from Wellhead 128'

b) Length : 13' Width : 13' Depth : 2'



REMARKS

Remarks :

Photos: 10:55

Completed By:

James L Pearce
Signature

3/10/95
Date

PHASE I
EXCAVATION

FIELD PIT REMEDIATION/CLOSURE FORM

GENERAL

Meter: 71888 Location: San Juan 28-6 #67

Coordinates: Letter: A Section 14 Township: 27 Range: 6

Or Latitude _____ Longitude _____

Date Started : 3/30/95 Run: 10 52

FIELD OBSERVATIONS

Sample Number(s): KD401 _____ _____ _____

Sample Depth: 12' Feet

Final PID Reading 653ppm PID Reading Depth 12' Feet

	Yes	No
Groundwater Encountered	☐	☒

Approximate Depth _____ Feet

CLOSURE

Remediation Method :

Excavation	☒	Approx. Cubic Yards 40
Onsite Bioremediation	☐	
Backfill Pit Without Excavation	☐	

Soil Disposition:

Envirotech	☐	☒	Tierra
Other Facility	☐	Name:	

Pit Closure Date: 3/30/95 Pit Closed By: BEI

REMARKS

Remarks : Excavated pit to 12', took pit sample, closed pit.

Signature of Specialist: Kelly Doan

(SP3191) 03/16/94

El Paso Natural Gas Company

FIELD SERVICES LABORATORY
ANALYTICAL REPORT
PIT CLOSURE PROJECT - Soil Samples Inside the GWV Zone

SAMPLE IDENTIFICATION

	Field ID	Lab ID
SAMPLE NUMBER:	KD 401	9467 67
MTR CODE | SITE NAME:	71888	N/A
SAMPLE DATE | TIME (Hrs):	3-30-95	1245
SAMPLED BY:	N/A	
DATE OF TPH EXT. | ANAL.:	4-4-95	4-4-95
DATE OF BTEX EXT. | ANAL.:	4/4/95	4/5/95
TYPE | DESCRIPTION:	VC	Brown Sand

REMARKS: _____

RESULTS

PARAMETER	RESULT	UNITS	QUALIFIERS			
			DF	Q	M(g)	V(ml)
BENZENE	5.28	MG/KG	0.7905		2.53	20
TOLUENE	135	MG/KG				
ETHYL BENZENE	22.1	MG/KG				
TOTAL XYLENES	261	MG/KG				
TOTAL BTEX	424	MG/KG				
TPH (418.1)	2050	MG/KG			2.09	25
HEADSPACE PID	653	PPM				
PERCENT SOLIDS	89.1	%				

– TPH is by EPA Method 418.1 and BTEX is by EPA Method 8020 –

The Surrogate Recovery was at 95.4 % for this sample All QA/QC was acceptable.

Narrative:

DF = Dilution Factor Used

Approved By: JR Date: 4/6/95

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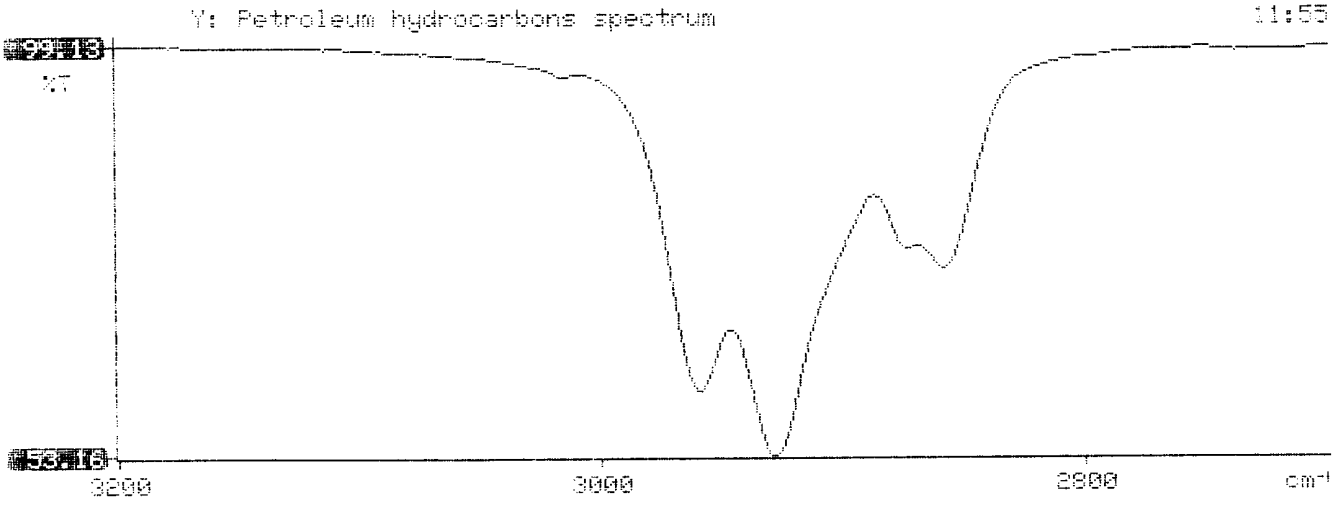
**************************************************
*                    Test Method for             *
*      Oil and Grease and Petroleum Hydrocarbons  *
*                  in Water and Soil             *
*                                                *
*            Perkin-Elmer Model 1600 FT-IR       *
*                  Analysis Report               *
**************************************************
*
 95/04/04  11:55
*
*  Sample identification
 946767
*
*  Initial mass of sample, g
 2.090
*
*  Volume of sample after extraction, ml
 28.000
*
*  Petroleum hydrocarbons, ppm
 2052.556
*  Net absorbance of hydrocarbons (2930 cm-1)
 0.270
*
*
*
```



BTEX SOIL SAMPLE WORKSHEET

File	946767A	**Date Printed**	4/7/95
Soil Mass (g)	2.53	**Multiplier (L/g)**	0.00198
Extraction vol. (mL)	20	**DF (Analytical)**	400
Shot Volume (uL)	50	**DF (Report)**	0.79051

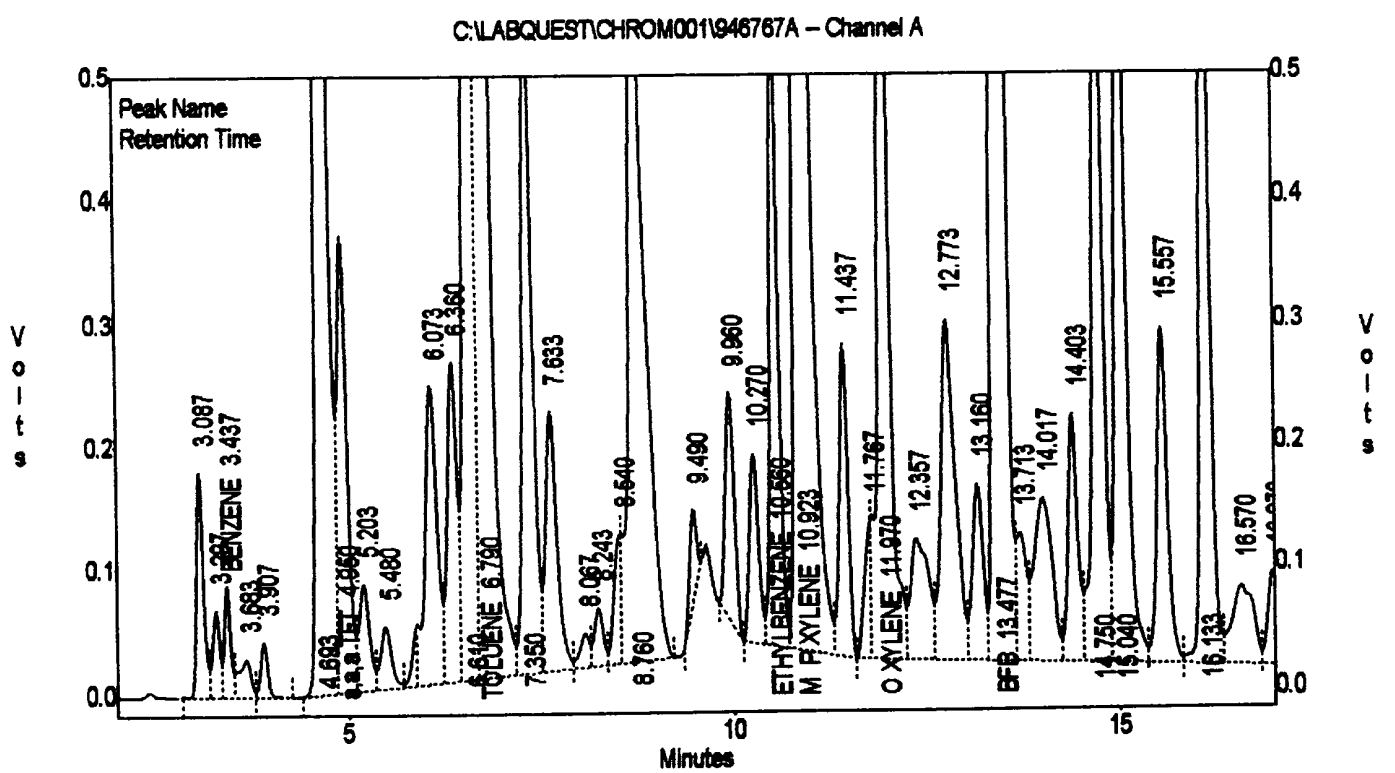
			Det. Limit
Benzene (ug/L)	6.68	**Benzene (mg/Kg):**	**5.281**	1.976
Toluene (ug/L)	170.68	**Toluene (mg/Kg):**	**134.925**	1.976
Ethylbenzene (ug/L)	27.95	**Ethylbenzene (mg/Kg):**	**22.095**	1.976
p & m-xylene (ug/L)	264.80	p & m-xylene (mg/Kg):	209.328	3.953
o-xylene (ug/L)	65.82	o-xylene (mg/Kg):	52.032	1.976
		Total xylenes (mg/Kg):	**261.360**	5.929
		Total BTEX (mg/Kg):	**423.660**	

EL PASO NATURAL GAS
EPA METHOD 8020 - BTEX SOILS

File : C:\LABQUEST\CHROM001\946767A
Method : C:\LABQUEST\METHODS\9001.MET
Sample ID : 946767,2.53/50uL
Acquired : Apr 05, 1995 15:53:13
Printed : Apr 05, 1995 16:19:29
User : Tony

Channel A Results

COMPONENT	RET TIME	AREA	AVG RF	CONC (ug/L)
BENZENE	3.437	505054	66996.08594	6.6775
a,a,a TFT	4.950	3189621	17915.06641	174.5649
TOLUENE	6.790	27070352	152782.21875	170.6773
ETHYLBENZENE	10.560	4052375	137111.50000	27.9481
M & P XYLENE	10.923	43254608	163191.95313	264.7980
O XYLENE	11.970	9337205	131788.42188	65.8160
BFB	13.477	54114176	563092.56250	95.3891
Totals :		141523392		805.8708

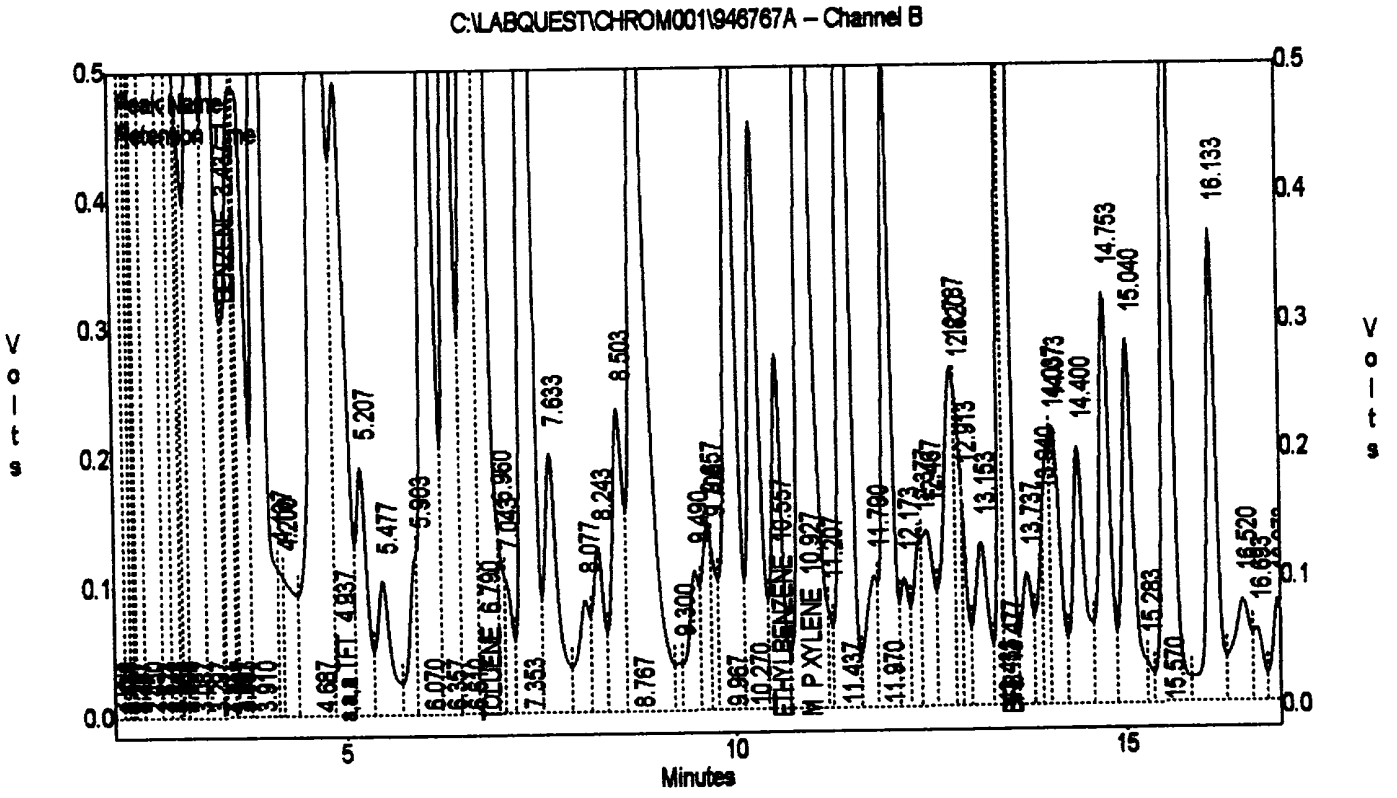


EL PASO NATURAL GAS
EPA METHOD 8020 - BTEX SOILS

File : C:\LABQUEST\CHROM001\946767A
Method : C:\LABQUEST\METHODS\9001.MET
Sample ID : 946767,2.53/50uL
Acquired : Apr 05, 1995 15:53:13
Printed : Apr 05, 1995 16:19:36
User : Tony

Channel B Results

COMPONENT	RET TIME	AREA	AVG RF	CONC (ug/L)
BENZENE	3.437	615829	68742.85938	11.2885
a,a,a TFT	4.937	5525033	9297.03906	567.0411
TOLUENE	6.790	11750591	47965.40234	229.5143
ETHYLBENZENE	10.557	2408472	46856.76953	48.0095
M & P XYLENE	10.927	18799250	48130.08203	370.8576
O XYLENE	12.063	0	0.00000	0.0000
BFB	13.477	11012408	96504.81250	112.5823
Totals :		50111584		1339.2935



PHASE II

RECORD OF SUBSURFACE E: ORATION

Borehole # BH-1
Well #
Page 1 of 1

Philip Environmental Services Corp.
4000 Monroe Road
Farmington, New Mexico 87401
(505) 326-2262 FAX (505) 326-2388

Project Name EPNG Pits
Project Number 14509 Phase ~~601~~ 600A
Project Location San Juan 28-6 #67, 71888

Elevation
Borehole Location
GWL Depth
Logged By S.Kelly
Drilled By K. Padilla
Date/Time Started 7/12/95, 1200
Date/Time Completed 7/12/95, 1255

Well Logged By S.Kelly
Personnel On-Site K.Padilla, F.Rivera, D.Charley
Contractors On-Site
Client Personnel On-Site

Drilling Method 4¼" ID HSA
Air Monitoring Method CGI, PID

Depth (Feet)	Sample Number	Sample Interval	Sample Type & Recovery (inches)	Sample Description Classification System: USCS	USCS Symbol	Depth Lithology Change (feet)	Air Monitoring Units: NDU BZ	BH	S	Drilling Conditions & Blow Counts
0				Backfill to 12!						
10									0/10	1220 (15'-16.5')
15	1	15-16.5	1.5'/1.5'	SAND, brown, fine to med., loose, damp.						
				BOH - 16.5'						
20										
25										
30										
35										
40										

Comments: 15'-16.5' sample (SEK 36) sent to lab (BTEX & TPH.) Sample was bagged and iced prior to being put in jar. BH grouted to surface.

Geologist Signature Sarah Kelly

El Paso Natural Gas Company

Phase II

FIELD SERVICES LABORATORY
ANALYTICAL REPORT
PIT CLOSURE PROJECT - Soil Samples Inside the GWV Zone

SAMPLE IDENTIFICATION

	Field ID	Lab ID
SAMPLE NUMBER:	SBK36	946982
MTR CODE | SITE NAME:	71888	N/A
SAMPLE DATE | TIME (Hrs):	7-12-95	1220
SAMPLED BY:	N/A	
DATE OF TPH EXT. | ANAL.:	7-13-95	7-13-95
DATE OF BTEX EXT. | ANAL.:	07-17-95	07-18-95
TYPE | DESCRIPTION:	VG	

REMARKS: _____

RESULTS

PARAMETER	RESULT	UNITS	QUALIFIERS			
			DF	Q	M(g)	V(ml)
BENZENE	<0.025	MG/KG	1			
TOLUENE	<0.025	MG/KG	1			
ETHYL BENZENE	<0.025	MG/KG	1			
TOTAL XYLENES	<0.025	MG/KG	1			
TOTAL BTEX	<0.10	MG/KG				
TPH (418.1)	70.8	MG/KG			2.00	28
HEADSPACE PID	10	PPM				
PERCENT SOLIDS	94.1	%				

-- TPH is by EPA Method 418.1 and BTEX is by EPA Method 8020 --

The Surrogate Recovery was at 98 % for this sample All QA/QC was acceptable.

Narrative:
ATI Results attached

DF = Dilution Factor Used

Approved By: _____ Date: 8/3/95

```
**************************************************
*                  Test Method for               *
*  .  Oil and Grease and Petroleum Hydrocarbons  *
*                  in Water and Soil             *
*                                                *
*           Perkin-Elmer Model 1600 FT-IR        *
*                  Analysis Report               *
**************************************************
*
 95/07/13  13:30
*
*  Sample identification
 946982
*
*  Initial mass of sample, g
 2.000
*
*  Volume of sample after extraction, ml
 28.000
*
*  Petroleum hydrocarbons, ppm
 70.849
*  Net absorbance of hydrocarbons (2930 cm-1)
 0.019
*
*
*
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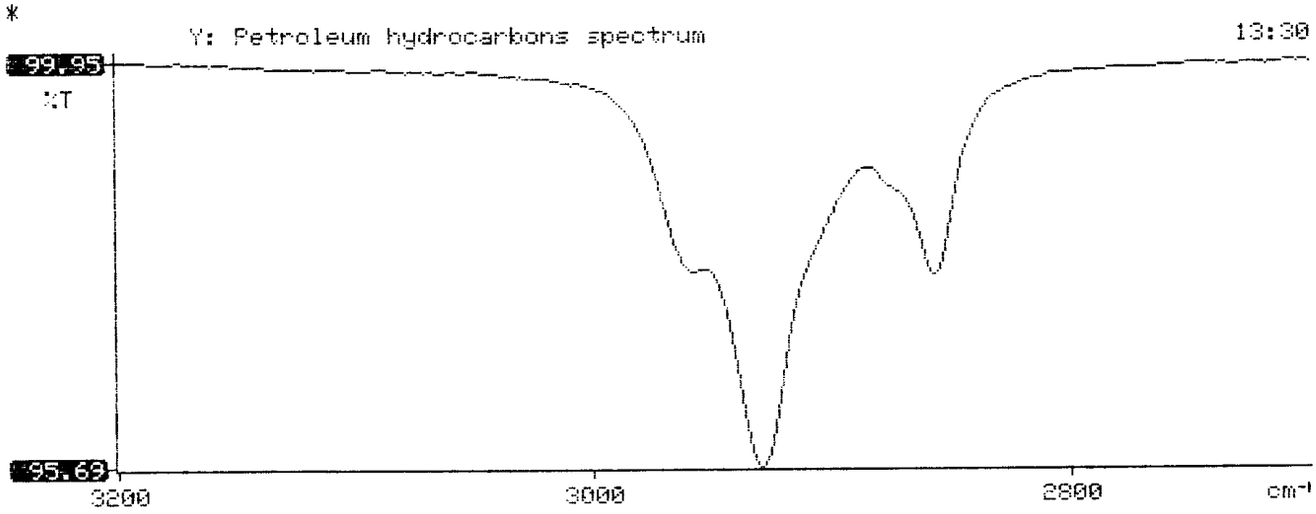

Analytical Technologies, Inc.

2709-D Pan American Freeway, NE Albuquerque, NM 87107
Phone (505) 344-3777 FAX (505) 344-4413

ATI I.D. **507340**

July 20, 1995

El Paso Natural Gas Co.
P.O. Box 4990
Farmington, NM 87499

Project Name/Number: PIT CLOSURE/PHASE I PHASE II 24324

Attention: John Lambdin

On **07/14/95**, Analytical Technologies, Inc., (ADHS License No. AZ0015), received a request to analyze **non-aqueous** samples. The samples were analyzed with EPA methodology or equivalent methods. The results of these analyses and the quality control data, which follow each set of analyses, are enclosed.

If you have any questions or comments, please do not hesitate to contact us at (505) 344-3777.

Kimberly D. McNeill
Project Manager

H. Mitchell Rubenstein, Ph.D.
Laboratory Manager

MR:jt

Enclosure

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY RESULTS

TEST : BTEX (EPA 8020)
CLIENT : EL PASO NATURAL GAS CO. ATI I.D.: 507340
PROJECT # : 24324
PROJECT NAME : PIT CLOSURE/PHASE I PHASE II

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
10	946973	NON-AQ	07/11/95	07/17/95	07/18/95	1
12	946981	NON-AQ	07/12/95	07/17/95	07/18/95	1
13	946982	NON-AQ	07/12/95	07/17/95	07/18/95	1

PARAMETER	UNITS	10	12	13
BENZENE	MG/KG	<0.025	<0.025	<0.025
TOLUENE	MG/KG	<0.025	<0.025	<0.025
ETHYLBENZENE	MG/KG	<0.025	<0.025	<0.025
TOTAL XYLENES	MG/KG	<0.025	<0.025	<0.025
SURROGATE:				
BROMOFLUOROBENZENE (%)		106	103	98